

Abstract:

Rack-and-pinion steering system for motor vehicles

5 The invention relates to a rack-and-pinion steering system  
(1) for motor vehicles, whose rack (12), which is mounted in  
a housing (8) such that it is longitudinally displaceable  
and kept in constant engagement with a pinion (9) by a  
pressure piece (13), is connected at both ends to in each  
10 case one steering tie rod (5, 6) in an articulated manner,  
sealing bellows (19 and 20) being fastened on one side to  
the housing (8) and on the other side to the longitudinally  
displaceable steering rods (5, 6), and which steering system  
(1) has a pressure compensation element (14) integrated in  
15 the pressure piece (13).

Figure 2